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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/529,995	10/25/2005	Yves Maetz	PF020131	5295
24498 7590 05/20/2010 Robert D. Shedd, Patent Operations THOMSON Licensing LLC P.O. Box 5312 Princeton, NJ 08543-5312			EXAMINER EKPO, NNIENNA NGOZI	
			ART UNIT 2425	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/529,995

Applicant(s)

MAETZ ET AL.

Examiner

NNENNA N. EKPO

Art Unit

2425

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 February 2010.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) 15 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/C)
- 4) ☐ Interview Summary (PTO-413)
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____
- Paper No(s)/Mail Date _____

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. Previous 112 second rejection to the claims has been withdrawn in view of Applicant's amendment filed on February 19, 2010.

Response to Arguments

2. Applicant's arguments with respect to claims 1-14 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. **Claims 1-7 and 10-14** are rejected under 35 U.S.C. 103(a) as being unpatentable over Park et al. (U.S. Patent No. 6,460,180) in view of Rodriguez et al. (U.S. Publication No. 2002/0059623).

Regarding **claim 1**, Park et al. discloses an interactive television process applicable to a system where at least one transmitting station (information resource) transmits programs to receivers (receiver unit), the process comprising (see abstract):

a) reception in one of said receivers, of a startup application (HTML or an XML web page) and of a first application (the television video) and triggering of said startup application causing execution of steps b) to d) (see col. 2, lines 11-15, col. 3, lines 59-

61, col. 7, lines 62-65 and col. 8, lines 3-6) where said startup application performs a test (see col. 3, lines 35-57);

b) testing for a presence in a memory of said receiver of at least one file of additional data (see col. 2, lines 17-19, col. 3, lines 62-64 and col. 5, lines 57-col. 6, line 5);

c) in the absence of said file of additional data in said memory, starting up of the first application (see col. 2, lines 20-23, col. 3, lines 67-col. 4, line 5 and col. 6, line 3-4);

d) if said file of additional data is present in said memory, starting up of an second application (television content with enhancements are being displayed), said second application using said file of additional data (see col. 2, lines 18-24, col. 3, lines 45-48, lines 64-67 and col. 4, lines 27-45, col. 5, lines 1-12, the receiver is able to receive and display television content with enhancements).

In an analogous art, Rodriguez et al. discloses where said startup application performs a test and if said file of additional data is present in said memory, starting up of a second application, said second application using said additional data, where each of said applications is a functional assembly designed for execution at the level of said receiver (see paragraphs 0107-0111 and fig. 8).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the system and method of Park et al. to include where said startup application performs a test and if said file of additional data is present in said memory, starting up of a second application, said second application using said additional data, where each of said applications is a functional assembly

designed for execution at the level of said receiver as taught by Rodriguez et al. for the advantage of providing real-time enhancement presentation.

Regarding **claim 2**, Park et al. and Rodriguez et al. discloses everything claimed as applied above (see *claim 1*). Park discloses Interactive television process, wherein, with said transmitting station comprises at least one link for bilateral communication with said receivers, said process comprises the following prior steps (see col. 7, lines 39-41) and file of additional data (see col. 7, lines 62-65 and col. 8, lines 3-6):

Rodriguez et al. discloses e) reception of a message proposing loading of enhanced services data into said receiver (see paragraph 0014, fig 6, paragraph 0093, lines 21-30);

f) acceptance or refusal by a user of said receiver, of the proposed loading (see paragraph 0093, lines 30-32);

g) in case of refusal, exiting from the present process (see paragraph 0094, lines 1-2);

h) in case of acceptance, automatic downloading of said enhanced services data which is usable subsequently by said startup application into said receiver, via said bilateral communication link (see paragraph 0094, lines 2-8);

i) recording in said memory of said receiver, of said enhanced services data (see paragraph 0094, lines 16-20).

Regarding **claim 3**, Park et al. and Rodriguez et al. discloses everything claimed as applied above (*see claim 2*). Park et al. discloses file of additional data (see col. 7, lines 62-65 and col. 8, lines 3-6). Rodriguez et al. discloses Interactive television process, comprising, before step f), the reception, by said receiver, of at least one cue regarding the contents, said cue preferably being chosen from among a size, a subsequent date of use, a date of expiry or of validity of the additional data, a date on which the additional data will be used, a broadcasting channel which will use the additional data, and a downloading address (downloaded) (see paragraph 0069, lines 1-4, Rodriguez et al. discloses downloading address).

Regarding **claim 4**, Park et al. and Rodriguez et al. discloses everything claimed as applied above (*see claim 2*). Park et al. discloses file of additional data (see col. 7, lines 62-65 and col. 8, lines 3-6). Rodriguez et al. discloses interactive television process, comprising, before step h), a step in the course of which the user indicates a choice of immediate downloading or of deferred downloading of said enhanced data (see paragraph 0110, lines 1-13, Rodriguez et al. discloses downloading enhanced data at a deferred time).

Regarding **claim 5**, Park et al. and Rodriguez et al. discloses everything claimed as applied above (*see claim 2*). Park et al. discloses the second application (television content with enhancements are being displayed) (see col. 2, lines 19-20, col. 3, lines 45-48, lines 64-67 and col. 4, lines 27-45).

Rodriguez et al. discloses interactive television process, wherein during step e), the reception of the proposal message is effected upon the reception of an application of the same type (see paragraph 0093, lines 21-27).

Regarding **claim 6**, Park et al. and Rodriguez et al. discloses everything claimed as applied above (see *claim 1*). Park et al. discloses Interactive television process, wherein said file of additional data contains an additional application (script) (see col. 8, lines 30-52).

Regarding **claim 7**, Park et al. and Rodriguez et al. discloses everything claimed as applied above (see *claim 1*). Park et al. discloses Interactive television process, wherein during step a), said receiver also receives said second application (television content with enhancements are being displayed) (see col. 8, lines 17-29).

Regarding **claim 10**, Park et al. and Rodriguez et al. discloses everything claimed as applied above (see *claim 1*). Park et al. discloses Interactive television process, wherein said file of additional data contains data chosen from among at least a piece of software, video data (television video), pictures, sound and a combination of these types of data (see col. 8, lines 38- 44).

Regarding **claim 11**, Park et al. and Rodriguez et al. discloses everything claimed as applied above (see *claim 1*). Park et al. discloses Interactive television

receiver comprising means for testing for the presence in said memory of said receiver, of at least one file of additional data (see col. 2, lines 17-19, col. 3, lines 62-64 and col. 5, lines 57-col. 6, line 5), comprising:

means of reception of said startup application and of said first application (the television video) (see col. 2, lines 11-15, col. 3, lines 59-61, col. 7, lines 62-65 and col. 8, lines 3-6),

and means of starting up the first application in the absence of said file of additional data in said memory (see col. 2, lines 20-23, col. 3, lines 67-col. 4, line 5 and col. 6, line 3-4) and of starting up said second application (television content with enhancements are being displayed) if said file of additional data is present in said memory, said second application using said file of additional data (see col. 2, lines 18-24, col. 3, lines 45-48, lines 64-67 and col. 4, lines 27-45, col. 5, lines 1-12, the receiver is able to receive and display television content with enhancements),

said receiver (receiver unit, 900) preferably being designed to implement an interactive television process in accordance with claim 1 (see fig 9).

In an analogous art, Rodriquez et al. discloses where said startup application performs a test and if said file of additional data is present in said memory, starting up of a second application, said second application using said additional data, where each of said applications is a functional assembly designed for execution at the level of said receiver (see paragraphs 0107-0111 and fig. 8).

Regarding **claim 12**, Park et al. and Rodriquez et al. discloses everything claimed as applied above (*see claim 11*). Park et al. discloses digital television terminal, comprising an interactive television receiver (see col. 7, lines 38-47).

Regarding **claim 13**, Park et al. and Rodriquez et al. discloses everything claimed as applied above (*see claim 1*). Park et al. discloses process for transmitting applications by a broadcasting station (information resource) to interactive television receivers (receiver unit) (see abstract), wherein said applications comprise said startup application (HTML or an XML web page) and said first application (the television video) (see col. 2, lines 11-15, col. 3, lines 59-61, col. 7, lines 62-65 and col. 8, lines 3-6), said startup application being intended to cause said test for the presence in said memory of at least one of said receivers, of at least one file of additional data (see col. 2, lines 17-19, col. 3, lines 62-64 and col. 5, lines 57-col. 6, line 5), as well as to start up the first application in the absence of said file of additional data (see col. 2, lines 20-23, col. 3, lines 67-col. 4, line 5 and col. 6, line 3-4) and to start up said second application (the merged web content and television video) using said file of additional data if said file is present, said second application using said file of additional data (see col. 2, lines 18-24, col. 3, lines 45-48, lines 64-67 and col. 4, lines 27-45, col. 5, lines 1-12, the receiver is able to receive and display television content with enhancements), said transmitting process preferably being intended to implement said interactive television process in accordance with claim 1.

In an analogous art, Rodriquez et al. discloses where said startup application performs a test and if said file of additional data is present in said memory, starting up of a second application, said second application using said additional data, where each of said applications is a functional assembly designed for execution at the level of said receiver (see paragraphs 0107-0111 and fig. 8).

Regarding **claim 14**, Park et al. and Rodriquez et al. discloses everything claimed as applied above (see *claim 13*). Park et al. discloses station (information resource) for transmitting programs to interactive television receivers (receiver unit) (see abstract), comprising means of production and of transmission of at least one message comprising said startup application (HTML or an XML web page) and said first application (the television video) (see col. 2, lines 11-15, col. 3, lines 59-61, col. 7, lines 62-65 and col. 8, lines 3-6), said startup application being intended to cause said test for the presence in said memory of at least one of said receivers of at least one file of additional data (see col. 2, lines 17-19, col. 3, lines 62-64 and col. 5, lines 57-col. 6, line 5), as well as to start up the first application in the absence of said file of additional data (see col. 2, lines 20-23, col. 3, lines 67-col. 4, line 5 and col. 6, line 3-4) and to start up said second application (the merged web content and television video) using said additional file if said file is present, said second application using said file of additional data (see col. 2, lines 18-24, col. 3, lines 45-48, lines 64-67 and col. 4, lines 27-45, col. 5, lines 1-12, the receiver is able to receive and display television content with

enhancements), said transmitting station preferably being intended to implement the transmitting process according to claim 13.

In an analogous art, Rodriguez et al. discloses where said startup application performs a test and if said file of additional data is present in said memory, starting up of a second application, said second application using said additional data, where each of said applications is a functional assembly designed for execution at the level of said receiver (see paragraphs 0107-0111 and fig. 8).

4. **Claims 8 and 9** are rejected under 35 U.S.C. 103(a) as being unpatentable over Park et al. (U.S. Patent No. 6,460,180) and Rodriguez et al. (U.S. Publication No. 2002/0059623) as applied to *claim 1* above, and further in view of Junqua et al. (U.S. Publication No. 2004/0236778).

Regarding **claim 8**, Park et al. and Rodriguez et al. discloses everything claimed as applied above (see *claim 1*). However, Park et al. and Rodriguez et al. fail to specifically disclose interactive television process, comprising a step of automatic erasing of the contents of said memory.

Junqua et al. discloses interactive television process, comprising a step of automatic erasing of the contents of said memory (see paragraph 0013, lines 10-14).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the systems and methods of Park et al. and Rodriguez et al. to include interactive television process, comprising a step of automatic

erasing of the contents of said memory as taught by Junqua et al. for the advantage of having more space in the memory.

Regarding **claim 9**, Park et al., Rodriguez et al. and Junqua et al. discloses everything claimed as applied above (see *claim 8*). Park et al. discloses file of additional data (see col. 7, lines 62-65 and col. 8, lines 3-6). Junqua et al. discloses interactive television process, wherein a date of erasure is associated with said data and in that the erasure step comprises a periodic operation of reading this date and an erasure operation when this date is reached (see paragraph 0013).

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **NNENNA N. EKPO** whose telephone number is (571)270-1663. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian T. Pendleton can be reached on 571-272-7527. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Nnenna Ekpo/
Patent Examiner, Art Unit 2425.
May 14, 2010.

/Brian T. Pendleton/

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Supervisory Patent Examiner, Art Unit 2425